



SEQUENCE LISTING

<110> KRIEG, PAUL A.

<120> METHODS FOR MODULATING ANGIOGENESIS WITH APELIN COMPOSITIONS

<130> 20825-0004

<140> 10/799,417

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<150> 60/528,155

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<160> 21

<170> PatentIn Ver. 3.3

<210> 1

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1

Met Asn Leu Arg Leu Cys Val Gln Ala Leu Leu Leu Trp Leu Ser
1 5 10 15

Leu Thr Ala Val Cys Gly Gly Ser Leu Met Pro Leu Pro Asp Gly Asn
20 25 30

Gly Leu Glu Asp Gly Asn Val Arg His Leu Val Gln Pro Arg Gly Ser
35 40 45

Arg Asn Gly Pro Gly Pro Trp Gln Gly Gly Arg Arg Lys Phe Arg Arg
50 55 60

Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
65 70 75

<210> 2

<211> 36

<212> PRT

<213> Homo sapiens

<400> 2

Leu Val Gln Pro Arg Gly Ser Arg Asn Gly Pro Gly Pro Trp Gln Gly
1 5 10 15

Gly Arg Arg Lys Phe Arg Arg Gln Arg Pro Arg Leu Ser His Lys Gly
20 25 30

Pro Met Pro Phe
35

<210> 3

<211> 17

<212> PRT

<213> Homo sapiens

<400> 3

Lys Phe Arg Arg Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro
1 5 10 15

Phe

<210> 4

<211> 13

<212> PRT

<213> Homo sapiens

<400> 4

Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
1 5 10

<210> 5

<211> 13

<212> PRT

<213> Brachydanio rerio

<400> 5

Pro Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
1 5 10

<210> 6

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

<400> 6

gtgcccaaag tctgagattc atgtt

25

<210> 7

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

<400> 7

gattcatgtt tcttgtggct gagtg

25

<210> 8
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 8
gattgatctt tgttgtgcct cagtg 25

<210> 9
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 9
aaggctgtgt ggaagcaata gaaag 25

<210> 10
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<212> DNA
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 10
aaggcctgtgt gcaaccaata caaag 25

<210> 11
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
consensus sequence

<400> 11
bacgtgk 7

<210> 12
<211> 10
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<213> Homo sapiens

<400> 12
gagacgtgga

10

<210> 13
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 13
cagacgtgac a

11

<210> 14
<211> 9
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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tgtacgtgg

9

<210> 15
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 15
aatgacgtga tg

12

<210> 16
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<213> Artificial Sequence

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oligonucleotide

<400> 16
tacgtggg

8

<210> 17

<211> 380

<212> PRT

<213> Homo sapiens

<400> 17

Met Glu Glu Gly Gly Asp Phe Asp Asn Tyr Tyr Gly Ala Asp Asn Gln
1 5 10 15Ser Glu Cys Glu Tyr Thr Asp Trp Lys Ser Ser Gly Ala Leu Ile Pro
20 25 30Ala Ile Tyr Met Leu Val Phe Leu Leu Gly Thr Thr Gly Asn Gly Leu
35 40 45Val Leu Trp Thr Val Phe Arg Ser Ser Arg Glu Lys Arg Arg Ser Ala
50 55 60Asp Ile Phe Ile Ala Ser Leu Ala Val Ala Asp Leu Thr Phe Val Val
65 70 75 80Thr Leu Pro Leu Trp Ala Thr Tyr Thr Tyr Arg Asp Tyr Asp Trp Pro
85 90 95Phe Gly Thr Phe Phe Cys Lys Leu Ser Ser Tyr Leu Ile Phe Val Asn
100 105 110Met Tyr Ala Ser Val Phe Cys Leu Thr Gly Leu Ser Phe Asp Arg Tyr
115 120 125Leu Ala Ile Val Arg Pro Val Ala Asn Ala Arg Leu Arg Leu Arg Val
130 135 140Ser Gly Ala Val Ala Thr Ala Val Leu Trp Val Leu Ala Ala Leu Leu
145 150 155 160Ala Met Pro Val Met Val Leu Arg Thr Thr Gly Asp Leu Glu Asn Thr
165 170 175Thr Lys Val Gln Cys Tyr Met Asp Tyr Ser Met Val Ala Thr Val Ser
180 185 190Ser Glu Trp Ala Trp Glu Val Gly Leu Gly Val Ser Ser Thr Thr Val
195 200 205Gly Phe Val Val Pro Phe Thr Ile Met Leu Thr Cys Tyr Phe Phe Ile
210 215 220Ala Gln Thr Ile Ala Gly His Phe Arg Lys Glu Arg Ile Glu Gly Leu
225 230 235 240Arg Lys Arg Arg Arg Leu Leu Ser Ile Ile Val Val Leu Val Val Thr
245 250 255Phe Ala Leu Cys Trp Met Pro Tyr His Leu Val Lys Thr Leu Tyr Met
260 265 270

Leu Gly Ser Leu Leu His Trp Pro Cys Asp Phe Asp Leu Phe Leu Met
 275 280 285

Asn Ile Phe Pro Tyr Cys Thr Cys Ile Ser Tyr Val Asn Ser Cys Leu
 290 295 300

Asn Pro Phe Leu Tyr Ala Phe Phe Asp Pro Arg Phe Arg Gln Ala Cys
 305 310 315 320

Thr Ser Met Leu Cys Cys Gly Gln Ser Arg Cys Ala Gly Thr Ser His
 325 330 335

Ser Ser Ser Gly Glu Lys Ser Ala Ser Tyr Ser Ser Gly His Ser Gln
 340 345 350

Gly Pro Gly Pro Asn Met Gly Lys Gly Glu Gln Met His Glu Lys
 355 360 365

Ser Ile Pro Tyr Ser Gln Glu Thr Leu Val Val Asp
 370 375 380

<210> 18

<211> 14

<212> PRT

<213> Rana sp.

<400> 18

Arg Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
 1 5 10

<210> 19

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
 consensus sequence

<400> 19

Arg Gln Arg Pro Arg Leu Ser His Lys Gly Pro Met Pro Phe
 1 5 10

<210> 20

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 20

Lys Lys Lys Arg

1

<210> 21
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 21
Arg Arg Arg Arg
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